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# MANDATORY FIREFIGHTER TRAINING STANDARDS

## **Orientation**

**Knowledge Objectives:** at the end of this lesson the firefighter will:

- A. know the mission of the fire service with regards to prevention, preparation, response and emergency medical services.
- B. be able to describe the chain of command within their fire department and describe the role of a firefighter.
- C. know what other agencies respond with their department and the role each plays in the response.
- D. understand the fire department's role in homeland security preparation, planning, response and recovery.
- E. know the Indiana standards for responding to Sudden Infant Death Syndrome (SIDS)
- F. have a working knowledge of the Incident Command System (ICS)
  - (1) know the role of the firefighter within ICS
  - (2) determine the need for ICS
  - (3) know how to organize and coordinate ICS until command can be transferred
  - (4) know how to function within an assigned role in ICS

### **Skill Objectives:**

Demonstrate visually the fire department chain of command for general operations.  
Demonstrate visually the fire department chain of command for emergency operations.

## **Personal safety**

**Knowledge Objectives:** at the end of this lesson the firefighter will:

- A. be able to describe the protection provided by firefighter protective clothing including helmet, bunker coat, bunker boots, nomex hood, gloves and duty uniforms.
- B. describe the limitations of the firefighter protective clothing listed in A above.
- C. know steps for protecting self from infectious disease and bloodborne pathogens.
- D. list types of personal protective equipment, not listed in A above.

**Skill Objectives:** at the end of this lesson the firefighter will demonstrate how to:

- A. don firefighter personal protective clothing within 1 minute.
- B. doff firefighter personal protective clothing and prepare for reuse.
- C. Inspect personal protective clothing

## **Forcible entry**

**Knowledge Objectives:** at the end of this lesson the firefighter will:

- A. identifies instances when forcible entry into structure may be needed.
- B. identify following tools used to make forcible entry into a structure:
  - (1) pry bar
  - (2) pike pole
  - (3) halligan tool
  - (4) crow bar
  - (5) axe
  - (6) reciprocating saw
  - (7) chain saw
  - (8) bolt cutters
- C. know the proper use of tools in B above
- D. know how to safely carry and operate tools in B above
- E. describe how common doors, windows, locks, and walls are constructed in residential occupancies
- F. describe how to safely force entry through doors, windows, locks and walls in residential occupancies
- G. know difference between plate glass and laminated glass and where each may typically be located

**Skill Objective:** given personal protective equipment, tools and an assignment, firefighter will safely force entry through a door and a window into a structure making sure the tools are used as designed, the barrier is removed, and the opening is in a safe condition and ready for entry.

## **Ventilation**

**Knowledge Objectives:** at the end of this lesson firefighter will:

- A. define horizontal ventilation and describe its principles
- B. describe where to perform horizontal ventilation
- C. describe the tools used in performing horizontal ventilation
- D. describe how to safely perform horizontal ventilation
- E. describe dangers associated with horizontal ventilation
- F. define backdraft and its prevention
- G. define flashover and its prevention
- H. describe how ventilation should be timed with a fire attack team

**Skills Objectives:** at the end of this lesson the firefighter will:

- A. break glass with a hand tool
- B. establish positive pressure ventilation in a structure
- C. establish negative pressure ventilation in a structure
- D. return all tools properly cleaned, fueled and ready for reuse.

## **Apparatus**

**Knowledge Objectives:** at the end of this lesson the firefighter will:

- A. identify apparatus commonly used in the fire service
- B. describe procedure to safely approach and mount each piece of apparatus while wearing PPE
- C. describe how to safely ride in each piece of apparatus while wearing PPE
- D. be familiar with Indiana emergency vehicle safe driving regulations and laws
- E. know firefighters role in assuring safe and efficient response to an emergency
- F. describe how to safely dismount each piece of apparatus

**Skill Objectives:** at the end of this lesson the firefighter will be able to:

- A. safely approach and correctly mount each of piece of fire apparatus while in full PPE
- B. demonstrate how to safely ride in each piece of fire apparatus while in full PPE
- C. demonstrate how to safely dismount each piece of fire apparatus while in full PPE

## **Ladders**

**Knowledge Objectives:** at the end of this lesson the firefighter will:

- A. be able to identify common types of ladders used in the fire service
- B. describe how to clean and inspect ladders
- C. list common carries associated with each type of ladder
- D. describe proper way to set a ladder
- E. list common procedures setting and raising each type of ladder
- F. describe the procedure for leg locking into ladders
- G. describe the procedure for tying off a ladder before working
- H. identify hazards to avoid when placing ladders

**Skill Objectives:** at the end of this lesson the firefighter will be able to:

- A. choose the appropriate ladder for a given task
- B. using proper technique, remove the ladder from the apparatus
- C. demonstrate a one-man ladder carry
- D. demonstrate a two-man suitcase carry
- E. demonstrate a two-man shoulder carry
- F. demonstrate the proper way to set and raise each type of ladder carried on your fire department avoiding potential hazards
- G. demonstrate the proper way to tie off a halyard
- H. climb a ladder
- I. carry tools up and down a ladder
- J. safely lower a ladder and return it to the apparatus

## **Self-contained breathing apparatus**

**Knowledge Objectives:** at the end of this lesson the firefighter will:

- A. list six (6) conditions that present respiratory hazards
- B. describe the SCBA component parts
- C. know the different methods in donning an SCBA
- D. know the different methods in doffing an SCBA
- E. describe the breathing techniques when using an SCBA
- F. list indications for taking emergency procedures when using an SCBA
- G. describe emergency techniques when using an SCBA
- H. list steps in replacing an SCBA air cylinder
- I. know the physical requirements of an SCBA wearer
- J. explain the procedures for refilling SCBA cylinders
- K. explain procedures for cleaning and maintaining SCBA according to manufacturer's and departmental procedures
- L. be familiar with department's SCBA maintenance records

**Skill Objectives:** at the end of this lesson the firefighter will be able to:

- A. don an SCBA from a seat-mounted bracket
- B. don an SCBA from a side-mounted bracket
- C. don an SCBA from a storage case
- D. don a face piece
- E. correctly don and activate an SCBA within 1 minute
- F. demonstrate proper breathing techniques while wearing an SCBA
- G. demonstrate emergency procedures while wearing an SCBA
- H. replace an SCBA air cylinder
- I. refill an SCBA air cylinder

## **Hose-loads**

**Knowledge Objectives:** at the end of this lesson the firefighter will:

- A. describe the sizes and types of hose used in the fire service
- B. have a working knowledge of hose used on the firefighter's department
- C. have a working knowledge of the hose loads used on the firefighter's department
- D. describe how to roll a hose
- E. describe a Forward Lay procedure
- F. know how to access water from a hydrant
- G. know how to access water by drafting
- H. describe how to recognize a defective hose

**Skill Objectives:** at the end of this lesson the firefighter will be able to:

- A. load hose on a fire engine using locally designated procedures
- B. drain and roll a fire hose
- C. connect a fire hose to a water supply
- D. safely carry and advance a hose line

## **Streams**

**Knowledge Objectives:** at the end of this lesson the firefighter will:

- A. know how to use the primary type of nozzle used on the firefighter's department
- B. know the flow capabilities of the nozzles used
- C. know when and how to use an direct stream
- D. know when and how to use an indirect stream
- E. know when and how to use a combination stream
- F. describe the observable results that a fire stream has been properly applied
- G. know how to safely open and close a nozzle
- H. Identify attack line and water applications devices most effective for overhaul
- I. know the principles of thermal layering within a structure on a fire

**Skill Objectives:** at the end of this lesson the firefighter will be able to:

- A. apply a direct stream
- B. apply an indirect stream
- C. apply a combination stream
- D. safely open and close a nozzle
- E. perform overhaul using methods to expose hidden fire and associated dangers

## **Special Hazards**

**Knowledge Objectives:** at the end of this lesson the firefighter will:

- A. recognize signs of imminent collapse or cave-in
- B. recognize signs of suspicious fires
- C. have a working knowledge of personal accountability systems
- D. have a working knowledge of personal communications systems in case of separation
- E. appreciate danger of overhead electrical wires
- F. know types of ground cover fires
- G. know methods to contain and suppress ground cover fires

**Skill Objectives:** at the end of this lesson the firefighter will be able to:

- A. determine exposure threats based on fire spread potential.
- B. construct a fire line
- C. extinguish ground fire with hand tools

## **Hazardous Materials Awareness Certification**

### **Knowledge Objectives**

- shall identify the training requirements of NFPA 472, as well as other applicable regulatory requirements, as they relate to awareness level response.
- shall be able to define the term awareness level responder, and identify responsibilities of analyzing, and implementing actions at that level of response.

## **Hazardous Materials Operations Certification**

- A. Without reference, identify general principles of the First Responder Operations.
- B. Awareness level certification is a prerequisite
- C. Analyze a hazardous materials incident to determine the magnitude of the problem in terms of outcomes by completing the following tasks:
  - a. Survey the hazardous materials
    - i. Identify the containers involved
    - ii. Identify the name, four-digit I.D. number, or placard
    - iii. Note any leaks, smells, vapor clouds, fires, or explosions
    - iv. Assess conditions at the site of the incident
  - b. Collect hazard and response info from material safety data sheets (MSDS), CHEMTREC/CANUTEC, shipper/manufacturer contacts
  - c. Predict the likely behavior of a material and its container
  - d. Estimate the potential harm at a hazardous materials incident
  - e. Plan an initial response within the capabilities and competencies of available personnel, personal protective equipment, and control equipment by completing the following tasks
    - i. Describe the response objectives for hazardous materials incidents
    - ii. Describe the defensive options available for a given response objective
    - iii. Determine whether the personal protective equipment provided is appropriate for implementing each defensive option
    - iv. Identify the emergency decontamination procedures.
  - f. Implement the planned response to favorably change the outcomes consistent with the local emergency response plan and the organization's standard operating procedures by completing the following tasks:
    - i. Establish and enforce scene control procedures including control zones, emergency decontamination, and communications
    - ii. Initiate the incident management system (IMS) for hazardous materials incidents
    - iii. Don, work in, and doff personal protective equipment
  - g. Perform defensive control functions identified in the plan of action.
    - i. Evaluate the progress of the actions taken to ensure that the response objectives are being met safely, effectively and efficiently by completing the following tasks:
    - ii. Evaluate the status of the defensive actions taken in accomplishing the response objectives;
    - iii. Communicate the status of the planned response.